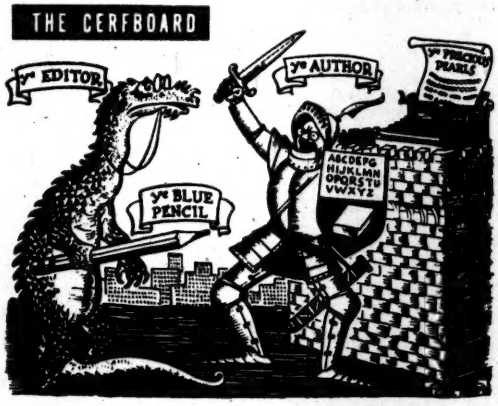
Editor's Page

Advice to Editors

This marks the end of the first three-year term of my editorship. I have enjoyed it so much that I am taking on another term. I hope the authors and readers are enjoying it, too. However, to show that I am aware that the joy may not be entirely mutual or unalloyed, I reprint here, with permission, a very appropriate cartoon by Carl Rose and the associated advice to editors by Bennett Cerf, Random House publisher, editor, and author of the "Cerfboard."



AUTHOR! AUTHOR!

"If you ever hope to get along with an author, there is one thing you must understand from the outset. Every word that he sets down on paper automatically becomes a priceless gem, and the merest suggestion that he alter or condense his text is an unforgivable insult. Nor is this an occupational disease acquired after long apprenticeship. It manifests itself at an appallingly early stage of a writer's career."

I hope that any authors who have been startled by the heaviness of my red pencil on their manuscripts have not really felt insulted. Actually, a great many authors, after the pain has subsided, write very appreciatively of the help they had from the referees and editors. One wrote, "Not since freshman English have I known the refreshing pain of having someone who knows criticize my form." Surprisingly few authors have objected violently to my red-pencilled suggestions for clarification of their texts.

A few think that I use too many hyphens. I use them only when the text requires them; consider "highest frequency response." Does the author mean a superlative frequency response, or the response to the highest frequencies? Only someone who knows the answer to that question can understand the text. If, from the context, I get the impression that the author intended the second meaning but used the ambiguous term for its brevity, I do not change his words but insert a hyphen to show that "high-frequency" is a unit modifier of "response." If I think the author intended to convey the first meaning, I omit the hyphen. That omission may be wrong—the author may have intended to refer to the response to the highest frequency. By mistaking his meaning and failing to insert the hyphen, I compound his error and the chances are great that the wrong meaning will be conveyed ever after to most readers of the paper. That's unfortunate; I did my best to understand and to make the text understandable. I failed because I misunderstood, as future readers will. I failed, by omitting the hyphen, just as seriously as if I inserted the hyphen when the author intended to refer to a superlative frequency response. Therefore, not knowing what was meant, I risk being damned by the author (if I do insert the hyphen) or damned (by readers better informed than I) if I don't. The only person who could possibly prevent the errors and my dilemma is the author, who is the only one who could really know what he meant. Knowing that he wanted to refer to the response to the highest frequency, he should have used the hyphen in the unit modifier so that he could not possibly be misunderstood.

In his editorial on page 1790 in the November 1966 issue, the Editor of *Applied Optics* disavows responsibility for resolving such ambiguities; he leaves them to "others in the editorial office" who, he says, are fond of the *Elements of Style* by Strunk and White." (see J. Opt. Soc. Am. **54**, 436), and then blames them when authors complain that their meanings have been changed. As an author for many years before I became editor, I learned by bitter experience that our well-meaning, hard-working, indispensable editorial assistants are as likely as not to resolve incorrectly any ambiguity. We should not expect any better guessing than that, since the editorial assistants are not physicists or mathematicians. We cannot expect them to resolve correctly more than half of the ambiguities which are caused by poor grammar or style. So, don't blame editorial assistants, whether you are editor, author, or reader. Better not let ambiguities reach them. It is the author's responsibility to write so that he cannot possibly be misunderstood. He should use hyphens in unit modifiers and not pile up "mountains of modifiers" (**56**, 1462). It is the editor's responsibility to see that the author writes clearly; when the author has not, the editor should call his attention to the ambiguities and request clarification of the text before sending it to be printed. I think that the most effective way, the easiest for all concerned, is for the editor to mark his suggestions with erasable pencil directly on the manuscript. He should guess from the context, as well as he (a physicist) can, the meaning of each ambiguous term or construction and send the marked manuscript back to the author, together with constructive comments by the referees, for reconsideration, confirmation, or correction of the editor's attempts to solve the ambiguities. The editor's guesses and suggestions for clarification should be much better than those of any editorial assistant. In that way, the author sees the editor's changes before they are set in type. Then the editor can see and double check any that the author rechanges. An editor is much less likely to see and double check the author's rechanges if the author first sees the editorial changes in galley proof. I think it is best for a physicist editor to make as many as possible of the needed editorial changes and to send the edited manuscript back to the author for his approval, before it is sent to the printer (and nonphysicist editorial assistants en route).

Well, that's enough explanation (and apology?) for the impoliteness of the editor.

In comment on my confession (**56**, 1284) of a personal antipathy for "one" used as a personal pronoun, one reader quoted Winston Churchill as saying "Once one commences 'one-ing,' one must continue 'one-ing' until one has completed the sentence." Apparently Churchill didn't forbid "one-ing," he just reduced it to an absurdity. Which it is. But worse, in scientific writing it is an ambiguity and usually an evasion of responsibility by the author.

Amusing as the Churchill quote may be, I have not yet struck an appropriate note on which to end the year. So, I must simply cease and wish everyone a Happy and Lucid New Year.

David L. MacAdam
Editor

2 November, 1966

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(L) indicates Letters to the Editor, (E) indicates Errata, (T) indicates Title only. There are no references to "see someone else" in the Author Index. Although it has meant a little duplication, all articles in which he was author or co-author have been included under each author. In the entry for each junior author, his name is followed by "with (senior author) and (other joint author)." Many titles have been shortened, to save space.

If the paper covered by a meeting abstract was published in the same year as the abstract, the two references have been separated by a solidus (/), i.e., 605A/723 indicates that the paper described in an abstract on page 605 has been published in full on page 723. Abstracts of papers presented only at meetings, for which complete papers have not been published, are not included in this Author Index. A *Key to Authors and Papers* at meetings was published on pages 564–566 and 1457–1460.

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